1   CLAIMS

2

3   1.   A method, including steps of

4   examining a plurality of mirrored file system volumes for a consistency

5 point value;

6   determining a most up-to-date said file system volume in response to said

7 steps of examining; and

8   selecting a set of changed file blocks between said up-to-date said file sys-

9 tem and each one of said plurality of mirrored file system volumes.

10

11   2.   A method as in claim 1, wherein said steps of selecting include

12   determining a snapshot held in common between said most up-to-date said

13 file system volume and at least one of said plurality of mirrored file system volumes; and

14   selecting those file blocks changed between said snapshot held in common

15 and said up-to-date said file system volume.

16

17   3.   A method as in claim 1 or 2, including steps of re-synchronizing at

18 least one of said plurality of mirrored file system volumes in response to said steps of se-

19 lecting.

20

21   4.   Apparatus including

1   a plurality of mirrored file system volumes, each having at least one snap-

2   shot including an entire consistent file system, each said snapshot having a consistency

3   point value;

4   a first comparison element capable of being coupled to a plurality of said

5   consistency point values;

6   a second comparison element, responsive to an output of said first compari-

7   son element, said second comparison element being capable of being coupled (a) to a first

8   snapshot associated with said output on a first said volume and (b) to a second snapshot

9   associated with a second said volume, said second comparison element being capable of

10   providing a selection of file blocks in response thereto.

11

12   5.   Apparatus as in claim 4, wherein said second snapshot is held in

13   common between said first volume and said second volume.

14

15   6.   Apparatus as in claim 4 or 5, including an element capable of re-

16   synchronizing at least one of said plurality of mirrored file system volumes in response to

17   said second comparison element.